

IN THE SPECIFICATION

Replace the paragraph beginning at page 3, line 13 with the following rewritten paragraph.

Apparatus for practicing the method is also disclosed, as is a mobile station that is constructed and operated in accordance with the invention to have a receiver adapted to receive a CDMA signal from a radio channel. The receiver includes a receiver front end for receiving the CDMA signal from the radio channel. The receiver ~~from-front~~ end includes at least one receiver filter and, in accordance with this invention, a searcher having an input coupled to an output of the receiver front end for inputting a received signal and an output for outputting a digital representation of a radio channel multi-path profile to a mobile station control function, such as a DSP or a general purpose data processor. In one embodiment the searcher includes a hardware unit for processing the received signal to at least partially remove an effect of at least said receiver filter on the multi-path profile, and to possibly also at least partially remove an effect of a base station transmitter filter on the multi-path profile. In another embodiment the effect of the receiver/transmitter filter is removed in software by operating on the conventional multi-path profile that is output from the searcher.